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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/707,141	11/24/2003	I-Chung Hou	9097-US-PA-1	1140	
31561	7590 04/07/2004		EXAMINER		
JIANQ CH 7 FLOOR-1	IYUN INTELLECTUA	FEGGINS, KRISTAL J			
	LT ROAD, SECTION 2	ART UNIT	PAPER NUMBER		
TAIPEI, 100			2861		
TAIWAN			DATE MAILED: 04/07/2004	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)
	10/707,141	HOU ET AL.
Office Action Summary	Examiner	Art Unit
	K. Feggins	2861
The MAILING DATE of this communicat Period for Reply	ion appears on the cover sheet w	ith the correspondence address
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA: - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communical. If the period for reply specified above is less than thirty (30) date if NO period for reply is specified above, the maximum statutor. Failure to reply within the set or extended period for reply will, Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, however, may a lation. ys, a reply within the statutory minimum of thir y period will apply and will expire SIX (6) MON by statute, cause the application to become Al	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
Status		
 Responsive to communication(s) filed of the section is FINAL. This action is FINAL. Since this application is in condition for closed in accordance with the practice of the section is in condition. 	This action is non-final. allowance except for formal mat	
Disposition of Claims		
4) ☐ Claim(s) 7-17 is/are pending in the appl 4a) Of the above claim(s) is/are v 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 7,8 and 10-17 is/are rejected. 7) ☐ Claim(s) 9 is/are objected to. 8) ☐ Claim(s) are subject to restriction	vithdrawn from consideration.	
Application Papers		
9) The specification is objected to by the Example 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the 11) The oath or declaration is objected to by	accepted or b) objected to n to the drawing(s) be held in abeyan correction is required if the drawing	nce. See 37 CFR 1.85(a). I(s) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for a a) All b) Some * c) None of: 1. Certified copies of the priority doc 2. Certified copies of the priority doc 3. Copies of the certified copies of the application from the International * See the attached detailed Office action for	cuments have been received. cuments have been received in A ne priority documents have been Bureau (PCT Rule 17.2(a)).	Application No. <u>10/064,611</u> . received in this National Stage

Attachment(s)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

Paper No(s)/Mail Date _

5) Notice of Informal Patent Application (PTO-152)

6)	Other: _	
6)	Other:	

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States
- 2. Claims 7-8, 10-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Higuma et al. (US 6,224,200 B1).

Higuma et al. disclose the following claimed limitations:

- * regarding claim 7, an ink storage unit/ink tank/ (Abstract, figs 39, 40, & 43),
- * an ink tank, defining an inner confinement space limited by at least an inner sidewall (figs 39, 40, & 43), and further provided with an air inlet/503/ and an ink outlet/ink feeding portion, 502/, the air inlet enabling an external air to enter the confinement space and the ink outlet enabling an ink to be outputted out of the confinement space (col 31, lines 10-13, figs 39, 40, & 43);
- * an ink storage body/ink chamber/ received within the confinement space, the ink storage body/ink chamber d/ being comprised of a first ink storage portion/F^B/ received, placed approximately close to the air inlet (see figs 39, 40, & 43);
- * a second ink storage portion/F/, placed approximately close to the ink outlet (see figs 39, 40, & 43);

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* a spacing member/ink chambers c & b/, placed between the first/F/, and second/F^B/ ink storage portions to separate the first ink storage portion from the second ink storage portion (see figs 39, 40, & 43).

- * regarding claim 8, wherein the air inlet/503/ is substantially spaced away from the ink outlet/502/ (see figs 39, 40, & 43).
- * regarding claim 10, wherein the first ink storage portion has a capillary effect that is higher than that of the second ink storage portion/F has more pores than F^B thereby having a higher capillary effect/ (see figs 39, 40, & 43).
- * regarding claim 11, wherein a pore density of the first ink storage portion is higher than that of the second ink storage portion/F has more pores than F^B thereby having a higher pore density/ (see figs 39, 40, & 43).
- * regarding claim 12, wherein the first ink storage portion/F^B/ is made of a porous material/foam having pores/ (Abstract, figs 39, 40, & 43).
- * regarding claims13 & 16, wherein the porous material includes a sponge/foam block, ink absorbing member/ (Abstract, figs 39, 40, & 43).

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* regarding claims 14 & 17, wherein the porous material includes a fabric/foam/(Abstract, figs 39, 40, & 43).

* regarding claim 15, wherein the second ink storage portion/F/ is made of a porous material/foam with pores (Abstract, figs 39, 40, & 43).

Allowable Subject Matter

3. Claim 9 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The primary reason for allowance of claims 1-5 is the inclusion of the limitations of an ink storage unit that includes a spacing member having a plurality of ribs that oppositely abut the first and second ink storage portions. It is this limitation found in the claims, as it is claimed in the combination of that has not been found, taught or suggested by the prior art of record, which makes these claims allowable over the prior art.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kotaki et al. (US 2003/0020790 A1) disclose an ink container with a porous material that is separated and having a plurality of ribs near the air inlet and abutting the porous material. Ujita et al. (US 20030052951 A1) disclose an ink jet recording apparatus using recoding unit with ink cartridge having ink inducing element. Chiu et al. (US 20030146960 A1) disclose an ink container having a pressure stabilizer module.

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Communication With The USPTO

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to K. Feggins whose telephone number is 571-272-2254. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on 571-272-2149. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

K. Feggins April 2, 2004